596
Patent Number(s): WO2012087875-A1
Title: Spatial light modulator system for adaptive near-field imaging, has photoconductive material including opaque properties in communication with light sources, where light beam is transmitted through transmission pathways
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Abstract: NOVELTY - The system has two light sources (12, 14) transmitting two light beams (22, 26) having two frequencies, where one the frequencies is greater than the other frequency. A photoconductive material (18) includes opaque properties in communication with the light sources such that one the light beams is transmitted through the material to manipulate the opaque properties the material to define transmission pathways by the light beam. Another light beam is transmitted through the transmission pathways defined through the material.
USE - Spatial light modulator system for adaptive near-field imaging.
ADVANTAGE - The system generates free carriers that absorb phase-shift THz radiation, thus preventing transmission a THz light beam, and illuminating and scanning a sample without moving structural components. The system determines image resolution by size the transmission pathway.
DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:
(1) a method for performing adaptive near-field imaging for a spatial light modulator system
(2) a sensor system comprising a sensor head.
DESCRIPTION DRAWING(S) - The drawing shows a schematic view a spatial light modulator system.
Light sources (12, 14)
LCD (16)
Imaging lens (17)
Photoconductive material (18)
Light beams (22, 26)
Drawing:
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